



**FIBERGLASS  
DUCT  
TECHNICAL  
INFORMATION**

PROJECT: \_\_\_\_\_  
LOCATION: \_\_\_\_\_  
ARCHITECT: \_\_\_\_\_  
ENGINEER: \_\_\_\_\_  
SALES ENGINEER: \_\_\_\_\_  
DATE: \_\_\_\_\_

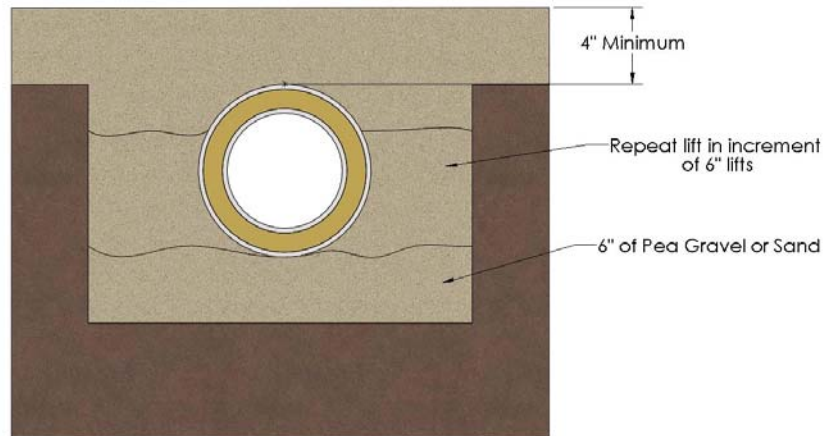
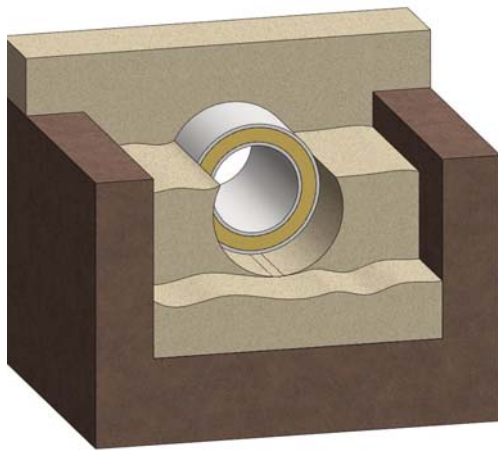
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**Underground Burial Procedures -  
36" Diameter and Smaller Duct**



**Preparing the Trench**

The trench should be graded with a slight pitch to facilitate drainage with the bedding as uniform and continuous as possible. The primary factor for the bedding and backfilling is correct compaction of the properly selected bedding materials. For fiberglass reinforced plastic duct, pea gravel or clean, dry sand (no fines) are the recommended bedding materials.

**Bedding Materials for Burial of FRP Duct**

**Type: 1**

**Typical Names: Pea Gravel**

**Unified Soils Classification System: GW, GP**

**Degree of Compaction: 80-90%**

In poor soil conditions, permeable synthetic support fabric should be utilized as a trench liner to prevent migration of the gravel into native soil. The next two layers (6" cover over duct), in lifts of 6", may be the excavated material, provided there is no organic material, frozen lumps, debris, or particles larger than 1/2". Each layer is to be compacted to the required density.

There should be no mechanical equipment allowed on the duct.